



# Launch Mission Execution Forecast

**Mission:** Falcon 9 OneWeb 2

**Issued:** 5 Jan 2023 / 0830L (1330Z)

**Valid:** 8 Jan 2023 / 2345 - 9 Jan 2023 0005L (0445-0505 Z)



**Forecast Discussion:** A cold front will make its way through the Space Coast today bringing showers and possibly an isolated thunderstorm or two by the midday hours. Behind it, cooler and much drier air will filter in as high pressure will dominate through the weekend. By late Sunday, onshore flow will slowly increase moisture resulting in a slight chance of low-topped showers off the coast, with the Cumulus Cloud Rule as the only concern. By Monday morning, shower chances increase ahead of another weak cold front, but will pass through the area by the afternoon hours and usher in dry air and very favorable conditions by the launch window.

		Probability of Violating Weather Constraints <sup>1</sup>			
<b>Launch Day</b>	<b>10%</b>	Primary Concerns: Cumulus Cloud Rule			
	Weather Conditions			Additional Risk Criteria <sup>2</sup>	
	<b>Weather/Visibility:</b> None / 7 mi.	<b>Clouds</b>			<b>Upper-Level Wind Shear:</b> Low
	<b>Temp/Humidity:</b> 65°F / 64%	Type	Coverage	Base (ft)	Tops (ft)
<b>Liftoff Winds (200'):</b> 160° 8 - 13 mph	Cumulus	Scattered	2,500	6,000	<b>Solar Activity:</b> Low
		Probability of Violating Weather Constraints			
<b>24-Hour Delay</b>	<b>&lt;10%</b>	Primary Concerns: Cumulus Cloud Rule			
	Weather Conditions			Additional Risk Criteria	
	<b>Weather/Visibility:</b> None / 7 mi.	<b>Clouds</b>			<b>Upper-Level Wind Shear:</b> Low
	<b>Temp/Humidity:</b> 62°F / 54%	Type	Coverage	Base (ft)	Tops (ft)
<b>Liftoff Winds (200'):</b> 350° 10 - 15 mph	Cumulus	Few	3,000	5,000	<b>Solar Activity:</b> Low
<b>Notes</b>	1. The Probability of Violation (PoV) is the chance of a local safety or customer constraint violation occurring anytime during the launch window.				
	2. Additional Risk Criteria, which are not included in the PoV, are mission-specific constraints that may not include all phenomena within each risk factor.				
		See <a href="https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf">https://www.patrick.spaceforce.mil/Portals/14/Weather/LaunchFAQ.pdf</a> for more information			
<b>Next Forecast Will Be Issued</b>		6 Jan 2023			